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Notice of Allowability	Application No.	Applicant(s)
	10/628,689	MATSUNAGA ET AL.
	Examiner	Art Unit
	Hoai v. Pham	2814
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOL- NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	IS (OR REMAINS) CLOSED in 85) or other appropriate commer RIGHTS. This application is	n this application. If not included nunication will be mailed in due course. THIS
1. This communication is responsive to <u>07/15/2005</u> .		
2. X The allowed claim(s) is/are 10,18,19 and 22-30.		
3. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the:		or (f).
1. ⊠ Certified copies of the priority documents h		an Na
2. Certified copies of the priority documents h	, ,	
 Copies of the certified copies of the priority International Bureau (PCT Rule 17.2(a)). 	documents have been receive	ed in this national stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DAT noted below. Failure to timely comply will result in ABANDO THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be su INFORMAL PATENT APPLICATION (PTO-152) which	ibmitted. Note the attached EX gives reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") r	must be submitted.	
(a) ☐ including changes required by the Notice of Draftsp	person's Patent Drawing Revie	w (PTO-948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	**************************************	
(b) ☐ including changes required by the attached Examir Paper No./Mail Date	ner's Amendment / Comment o	or in the Office action of
Identifying indicia such as the application number (see 37 CF each sheet. Replacement sheet(s) should be labeled as such	R 1.84(c)) should be written on t in the header according to 37 C	the drawings in the front (not the back) of FR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the de attached Examiner's comment regarding REQUIREMENT	eposit of BIOLOGICAL MAT NT FOR THE DEPOSIT OF BI	ERIAL must be submitted. Note the OLOGICAL MATERIAL.
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Attachment(s)	5. Notice of I	nformal Patent Application (PTO-152)
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-94) 		Summary (PTO-413),
-	Paper No	./Mail Date
 Information Disclosure Statements (PTO-1449 or PTO/S Paper No./Mail Date 	SB/08), 7. 🛛 Examiner's	s Amendment/Comment
4. Examiner's Comment Regarding Requirement for Depos	sit 8. 🛛 Examiner's	s Statement of Reasons for Allowance
of Biological Material	9.	- Waylam
		HOA PHAM PRIMARY EXAMINER

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DETAILED ACTION

Examiner's amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

- 2. This application is in condition for allowance except for the presence of claims 1-9, 11-17 and 20-21 non-elected without traverse. Accordingly, claims 1-9, 11-17 and 20-21 have been cancelled.
- 3. The application has been amended as follows:

In the claims:

Cancel claims 1-9, 11-17 and 20-21.

Allowable Subject Matter

- 4. Claims 10, 18, 19 and 22-30 are allowed.
- 5. The following is an examiner's statement of reasons for allowance: the prior of record fails to disclose the combination of a semiconductor device structure recited in the base claims 10 and 22, including the combination of the structure of: wherein a metal wiring of a metal material is embedded in a wiring groove formed in the interlayer insulating film, a width of the wiring groove in the first insulating film is smaller than that

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in the second insulating film at an interface between the first insulating film and the second insulating film.

- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoai v. Pham whose telephone number is 571-272-1715. The examiner can normally be reached on M-F.
- 7. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael M. Fahmy can be reached on 571-272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- 8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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